

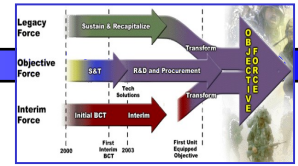
# *United States Army* *Logistics Transformation Agency*



## **Common Logistics Operating Environment**

### **CLOE Corporate Brief** **17 July 2003**

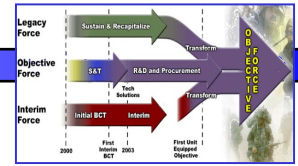
**Materiel Logistics Division**  
**Logistics Transformation**  
**Agency**  
**(717) 770-7600**



# ***CLOE Corporate Brief***

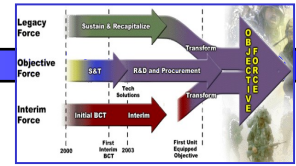
## ***Agenda***

- What is CLOE
- Motivation – Logistics Transformation
- Objectives
- Scope
- SIL Operation
- Milestones
- Organization
- Benefits & Conclusion



# What is CLOE?

- CLOE is the “end state” that guides the Army’s vision for the development, demonstration and implementation of an advanced information framework for platform sustainment in a networked environment.
- CLOE addresses how we must reengineer processes and transform our systems and organizations to ensure reliability, maintainability, supportability and interoperability.
- CLOE integrates platform, information, and C3 technologies to accelerate the transition to objective logistics processes



# LOGISTICS TRANSFORMATION

Doctrine and Technology Must Be  
Interoperable for Platform & Soldier Health  
Management across All Equipment  
Generations

- Army of Excellence Force
- FXXI Force
- Stryker Force
- Future Combat Systems

**Generations of Forces  
Common Logistics  
Operating Environment**

**Objective Force**

Transformation  
Enablers

AIT

PLATFORM DATA BUS

DIAGNOSTICS

EMBEDDED IETMS

AUTOMATED LOGBOOK

Digital PMCS

ON-BOARD Health Mgmt

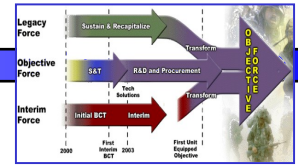
Integrated COM & ERP  
Interfaces

LDSS

PS / MRS

ing Army

00/14/16



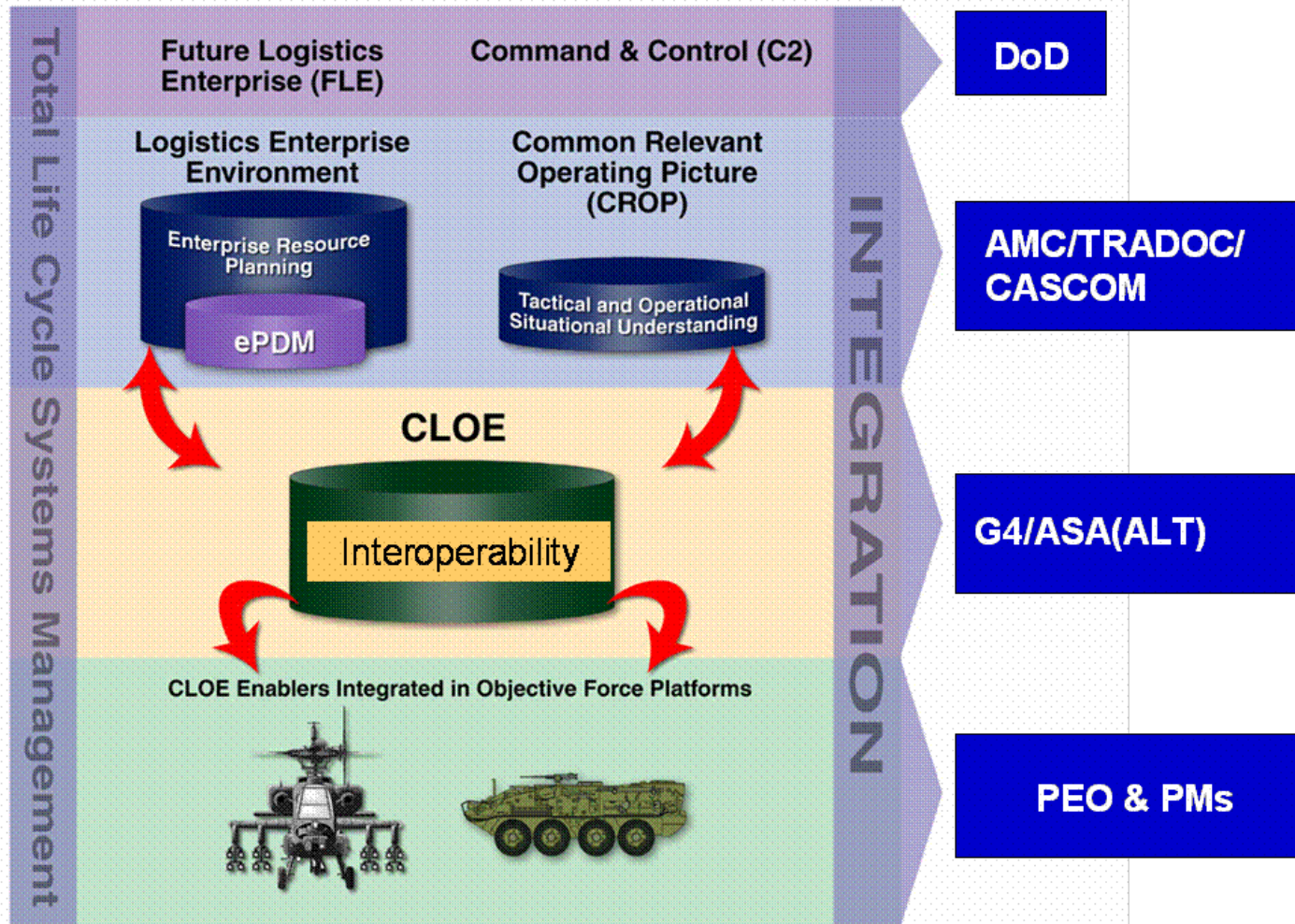
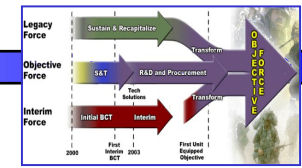
## CLOE Objectives

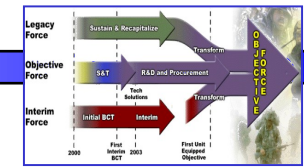
- **Ensure Self-Reporting Platforms address the Entire Force Composite**
  - *Current, Stryker & FCS Forces*
  - *Soldier Systems & Aviation*
  - Interacting with Networked, Agile Sustainment System
- **Show Payback & Value of Self-Reporting Platforms**
  - Equipment Health Management & Condition-Based Maintenance
  - PS-MRS & LDSS
- **Drive maintenance & logistics *Interoperability* among Current, Interim and Objective Forces**
- **Provide guidance for managing ED / EP in the Army.**
- **Work with**
  - The evolving Maintenance & Logistics Support System
  - Emerging Doctrine & Technology
  - Associated Organizational Processes



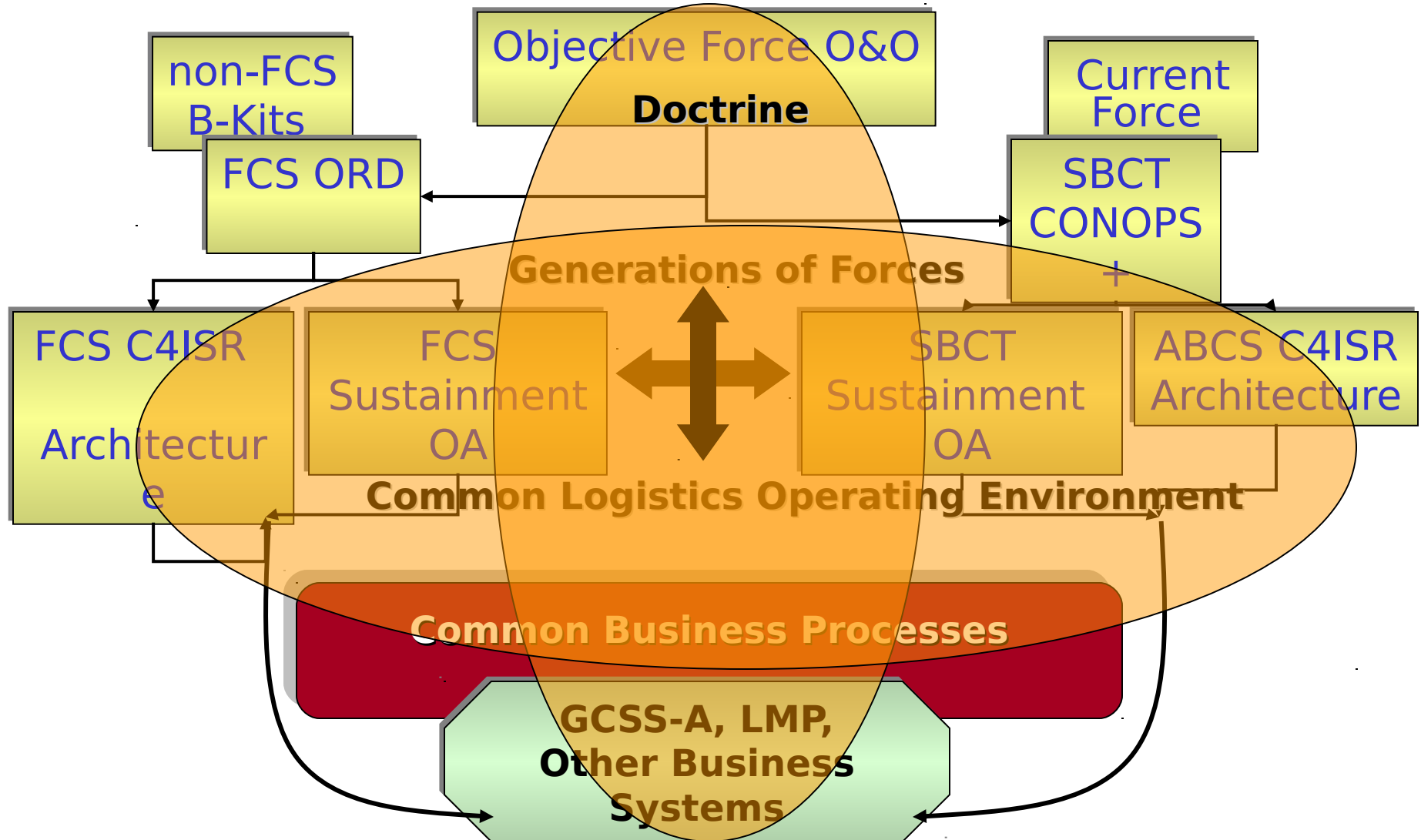


# CLOE Total Life-Cycle Perspective Works with Major Army Stakeholders





# CLOE SCOPE

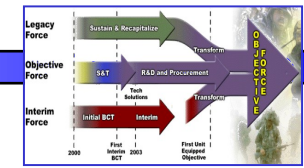


**Sustaining The Transforming Army**



# CLOE Governance

ARMY LEAD  
G4



AMC

ASA(ALT)

Enterprise  
Integration

Policy  
Oversight

Policy  
Implementation

CLOE Manages Enabler  
Interoperability Through  
Standards and Collaborative  
Processes.

CCB: Interoperability  
Standards

SIL: Integration

Business  
Processes

SAP  
NetWeaver  
Hub

Master Data

EAB

LMP

Bde &  
Below

GCSS  
A/T

Platforms,  
Systems and End  
Items

DASA-ILS

PEO(s)

Acquisition Policy Requires  
PMs to use CLOE Standards,  
Specifications and Protocols.  
ILS Process Assures  
Compliance

TRADOC and CASCOM Develop  
Doctrine, Establish  
Requirements, and Maintain  
Master Architectures

PEO-EIS Develops  
Tactical Log Systems;  
Fills Software Gaps

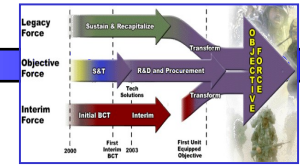
CLOE Collaborates  
with DALEI to Meet  
End-End Logistics  
Support  
Requirements

**Sustaining The Transforming Army**

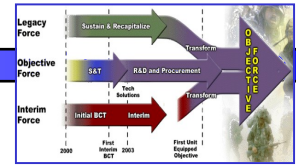




# LOG Transformation Technical Risk



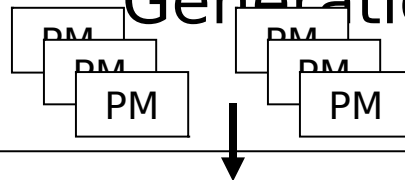
- Challenge: Reduce Technical **Risk** For Log Transformation
- Solution: Establish & Operate A CLOE Systems Integration Laboratory (SIL)
  - Evaluate Concepts
  - Verify & Validate Interfaces & Interoperability
  - Test Before Acquire/Field
  - Key Configuration Management Tool
  - Supports Simulation-based Acquisition
  - Standards-based Technology Insertion
- Mobile SIL for Demonstrations



# CLOE Systems Integration Lab

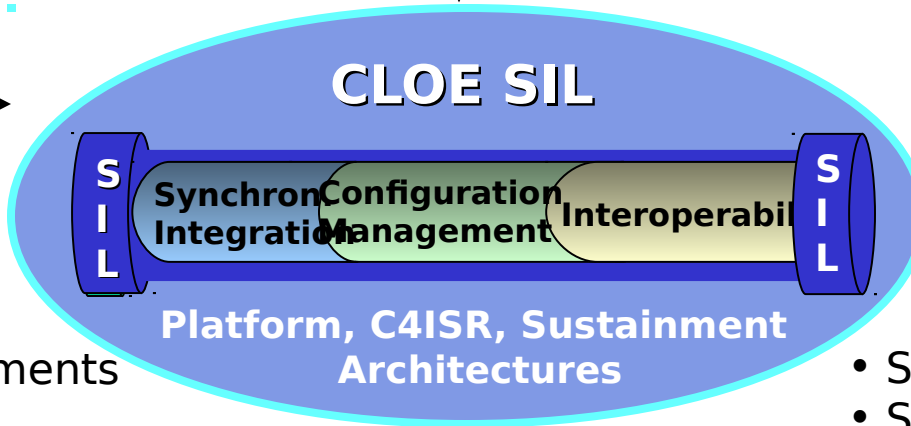
The CLOE SIL Operates as a Meta-Laboratory, Ensuring Interoperability Across All Equipment Force Generations

Synchronization  
Inputs



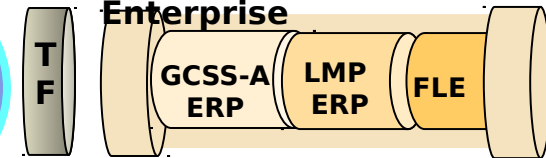
Life-cycle  
Verification & Validation

Operational Inputs →



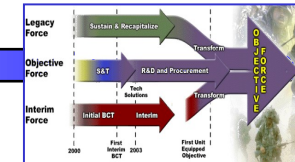
- System Requirements
- Doctrine
- Operational Architecture

→ Outputs to the Enterprise



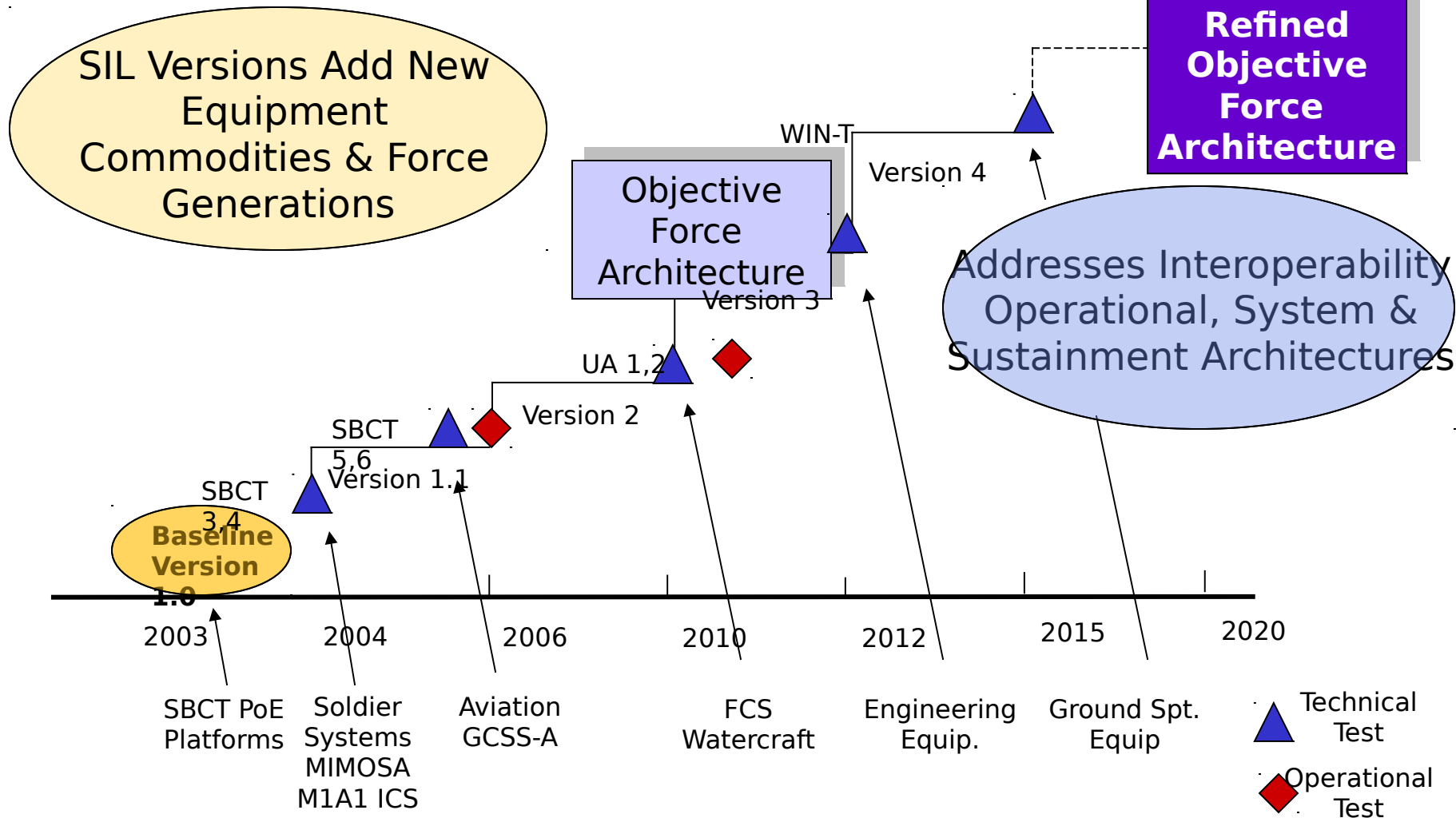
- Sustainment Interoperability
- Software & Hardware V&V
- Life Cycle Support

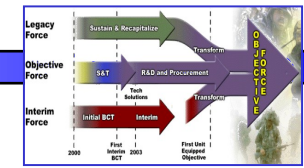
Platforms & Soldier Systems



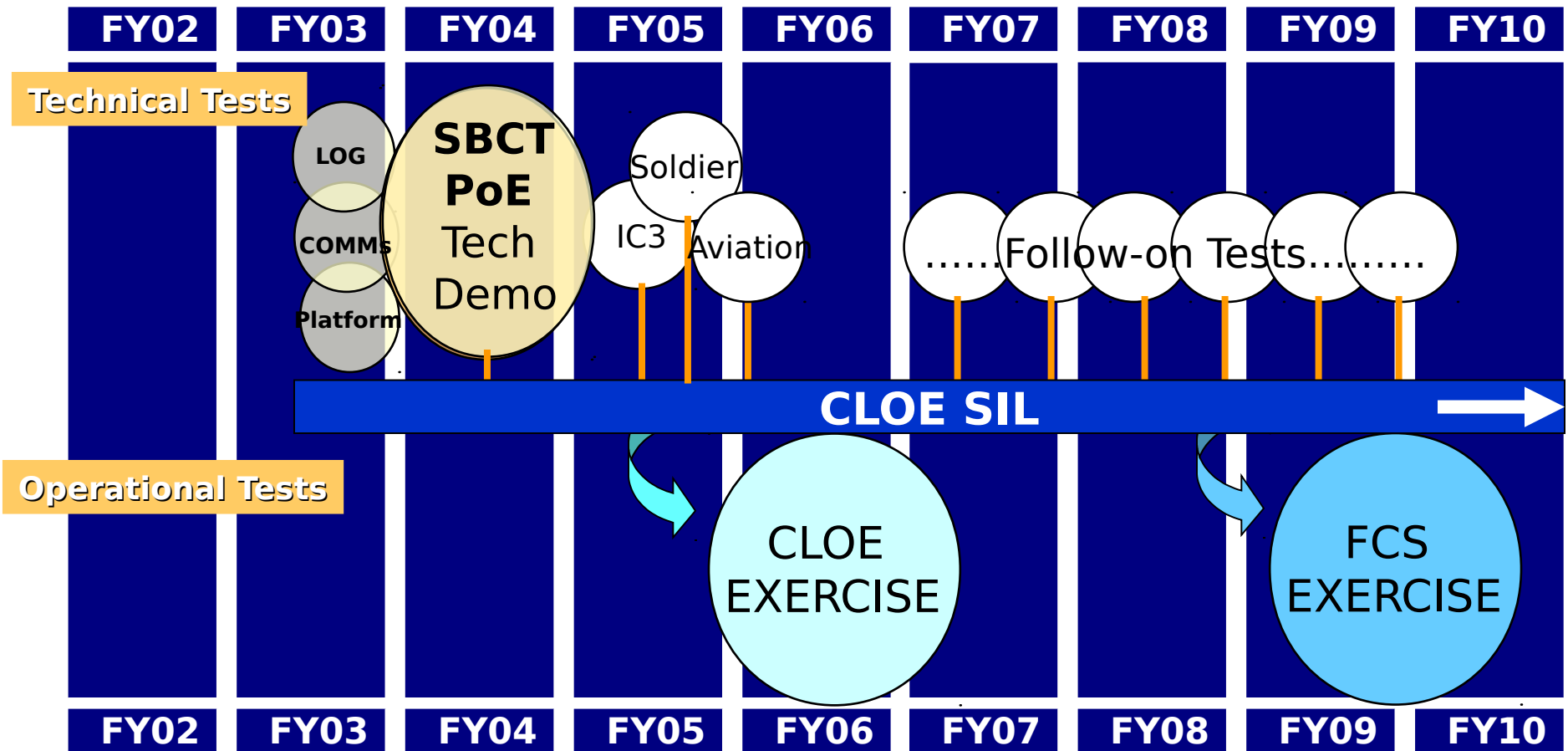
# CLOE SIL

## Continuous Improvement Cycle



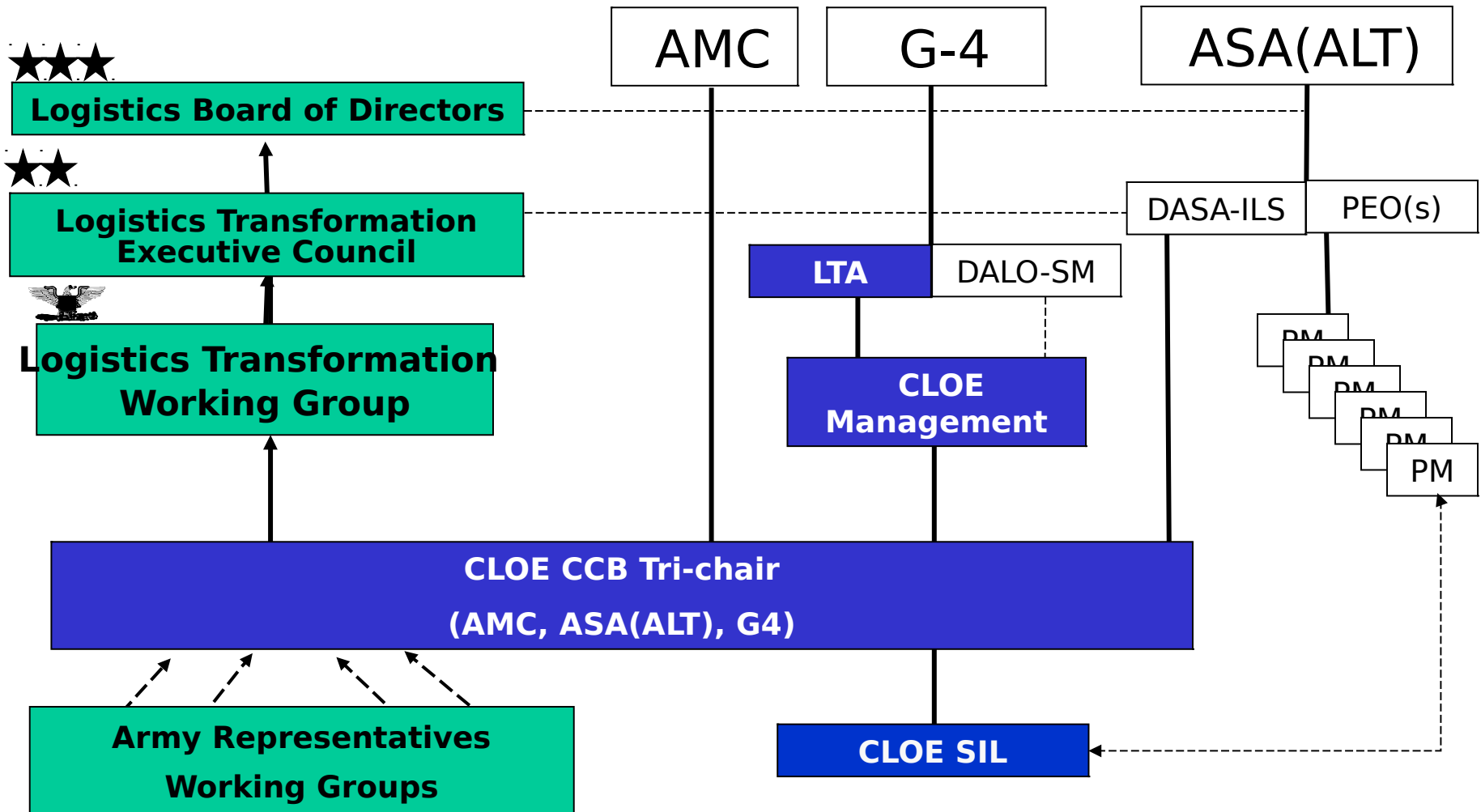
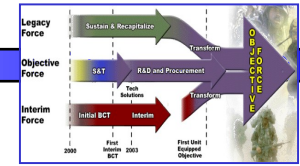


# CLOE Major Milestone Schedule

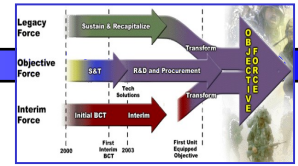




# CLOE Organization Strawman

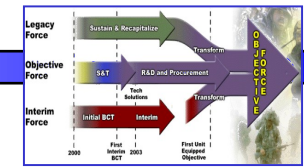






## *Benefits*

- Provide Roles & Responsibilities for Centralized Management of Logistics Transformation Activities
- Establish One location for Army Logistics Transformation Synchronization and Integration Efforts
- Reduce Logistics Transformation Risk
  - Configuration Management Control linked to the CCB Process
  - Verify & Validate Technical Interoperability
- Prioritized CLOE SIL activities provides insight for POM Strategy
- Test Before Acquire/Field



# Discussion Points

## CLOE/DALEI Collaboration

### Roles and Responsibilities

#### AMC/DALEI

- Integrate ERP Solutions
- Interface with Other Business Systems
- EAB Business Processes
- Interface with AEIOO
- CLOE SIL User
- Tri-Chair CLOE CCB

#### G4/LTA

- Assure Vertical and Horizontal Interoperability
- Standards, Protocols, Processes and Configurations Below First Log Entry Point
- Identify Opportunities and Requirements for EAB Systems
- Establish and Manage CLOE SIL
- Tri-Chair CLOE CCB

### Possible Collaboration Mechanisms

- MOA
- Technical Interchanges (EEI and CLOE Technical Team)
- CLOE Support to Blueprinting Process
- Topical Working Groups